

Fatima Alfaraj

Industrial Engineer

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 Dhahran, Saudi Arabia

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Objective

Highly passionate Industrial Engineering graduate seeking an opportunity to leverage analytical and problem-solving skills in a dynamic, growth-oriented environment.

Education

Bachelor of Industrial and Systems Engineering, *King Fahd University of Petroleum and Minerals*

02/2021 – 2026

- **Major Courses Taken:** Optimization Methods, Production Systems & Inventory Control, Quality Improvement Methods, Strategic Planning & Balanced Scorecard, Engineering Economic Analysis.

Dhahran, SA

Internship Experiences

Portfolio Management & Oversight Internship, *Saudi Aramco*

09/2025 – 12/2025

- **Process Analysis & Improvement:** Conducted end-to-end analysis of Digital Solutions Portfolio Management processes, identifying workflow inefficiencies and workload bottlenecks during reporting cycles.
- **Workflow Optimization:** Designed and implemented a structured submission and follow-up framework, improving process efficiency and reducing reporting congestion.
- **Governance & Standardization:** Aligned portfolio workflows with Corporate Digital & AI governance models to ensure consistency, traceability, and cross-functional compliance.
- **Data-Driven Tool Evaluation:** Assessed portfolio management platforms using data-driven criteria, supporting the selection of a unified digital solution to enhance reporting and operational efficiency.

Dhahran, SA

Academic Projects

Quality Prediction in a Mining Process

Applied Statistical Process Control ($\bar{X}$ and R charts) to monitor iron concentration in a flotation process, identifying sources of variation and stabilizing the process with all observations within control limits.

Optimization Model for Food Redistribution

Maximized €44k+ net social benefit through optimal allocation of resources under operational constraints.

Discrete-Event Simulation of Bank

Modeled a discrete-event simulation model in Arena to analyze customer flow, reducing average waiting time by 18% and improving resource utilization and system throughput.

Certificates

Project Management Principles

Data Analysis Using Python

Artificial Intelligence(AI) for Sustainability and Renewable Energy

Skills

Technical Skills

- MS office
- Arena (Simulation)
- Python

Soft Skills

- Leadership & Teamwork
- Communication
- Analytical & Critical Thinking
- Problem Solving
- Strategic planning
- Data Analytics & Visualization

Extracurricular Activities

Irshad Program

08/2023 – 09/2024

- Provided mentorship and student support, organizing onboarding events and improving transition experience for incoming students.

IEOM Chapter

09/2023 – 05/2024

- Developed communication, stakeholder engagement, and event coordination skills through participation in sponsorship and partnership initiatives.

KFUPM Volunteer

- Coordinated and supported large-scale event operations, contributing to the successful execution of graduation ceremonies.